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PTO/SB/21 (08-03)

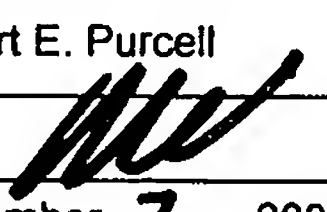
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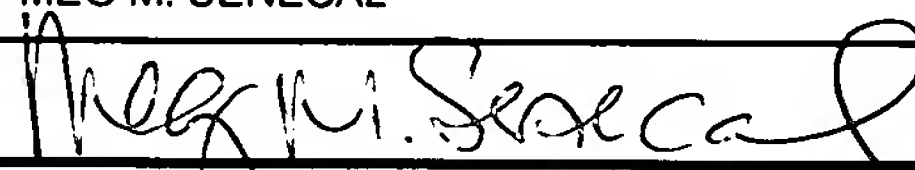
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PTO TRANSMITTAL FORM (to be used for correspondence after initial filing) SEP 07 2006 PATENT & TRADEMARK OFFICE	Application Number	10/708,481	
	Filing Date	March 5, 2004	
	First Named Inventor	Matthew T. Starr	
	Group Art Unit	2627	
	Examiner Name	EVANS, Jefferson A.	
Total Number of Pages in This Submission	10	Attorney Docket Number	1046_035

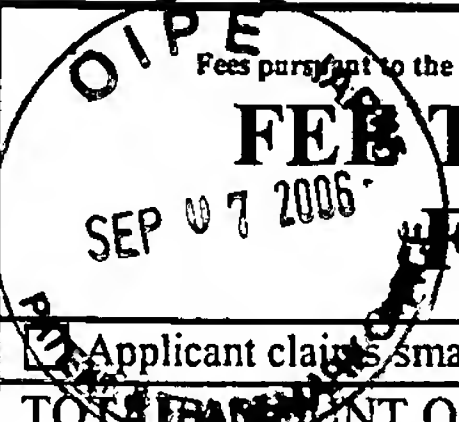
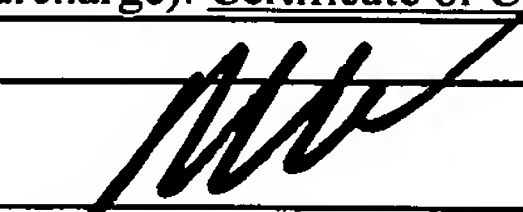
ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Req. for Cert. of Corr. Due to App. and Office's Error (6 pgs.), Form PTO/SB/44 (1 pg.), Form PTO/SB/21 Transmittal Form (1 pg.); Form PTO/SB/17 Fee Transmittal Form (1 pg.); Return Mailroom Postcard, Check in the amount of \$100.00 (1).
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm and Individual name	Wall Marjama & Bilinski LLP Robert E. Purcell Reg. No. 28,532	
Signature		
Date	September 7, 2006	

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SEP 13 2006

 <p style="text-align: center;">Fees pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818).</p> <h2 style="text-align: center;">FEE TRANSMITTAL</h2> <h3 style="text-align: center;">For FY 2006</h3>		<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Application Number</td><td>10/708,481</td></tr> <tr><td>Filing Date</td><td>March 5, 2004</td></tr> <tr><td>First Named Inventor</td><td>Matthew T. Starr, et al.</td></tr> <tr><td>Examiner Name</td><td>EVANS, Jefferson A.</td></tr> <tr><td>Art Unit</td><td>2627</td></tr> <tr><td>Attorney Docket No.</td><td>1046_035</td></tr> </table>		Application Number	10/708,481	Filing Date	March 5, 2004	First Named Inventor	Matthew T. Starr, et al.	Examiner Name	EVANS, Jefferson A.	Art Unit	2627	Attorney Docket No.	1046_035
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Art Unit	2627														
Attorney Docket No.	1046_035														
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27															
TOTAL AMOUNT OF PAYMENT	\$100.00														
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METHOD OF PAYMENT (check all that apply)															
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____															
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: <u>50-0289</u> Deposit Account Name: <u>Wall Mariama & Bilinski LLP</u>															
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)															
<input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee															
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments															
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FEE CALCULATION															
1. BASIC FILING, SEARCH, AND EXAMINATION FEES															
	FILING FEES		SEARCH FEES		EXAMINATION FEES										
Application Type	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)								
Utility	300	150	500	250	200	100									
Design	200	100	100	50	130	65									
Plant	200	100	300	150	160	80									
Reissue	300	150	500	250	600	300									
Provisional	200	100	0	0	0	0									
2. EXCESS CLAIM FEES							Small Entity								
Fee Description	Fee (\$)	Small Entity Fee (\$)													
Each claim over 20 (including Reissues)	50	25													
Each independent claim over 3 (including Reissues)	200	100													
Multiple dependent claims	360	180													
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims											
- 20 or HP =	x	=		Fee (\$) Fee Paid (\$)											
HP= highest paid number of total claims paid for, if greater than 20															
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)												
- 3 or HP =	x	=													
HP = highest number of independent claims paid for, if greater than 3															
3. APPLICATION SIZE FEE															
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a) (1)(G) and 37 CFR 1.16(s).															
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)											
- 100 =	/ 50 =	(round up to a whole number) x	=												
4. OTHER FEES															
	Fees Paid (\$)														
Non-English Specification, \$130 fee (no small entity discount)															
Other (e.g., late filing surcharge): <u>Certificate of Correction</u>	\$100.00														
SUBMITTED BY															
Signature		Registration No. 28,532 (Attorney/Agent)	Telephone 315-425-9000												
Name (Print/Type)	Robert E. Purcell	Date Sept. <u>7</u> , 2006													

PATENT

Inventor(s): Matthew T. Starr
Jennifer L. Woodruff
Rebecca J. Amparan
Christopher A. Pollard

Issued: August 1, 2006

Filed: March 5, 2004

Title: **ENTRY/EXIT PORT MAGAZINE FOR A
DATA CARTRIDGE LIBRARY**

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450** on September 11, 2006, under "EXPRESS MAIL" mailing label number EV67806541US.

Meg M. Senecal

Sir:

Applicant has noted several errors in the recently issued patent, U.S. Patent No. 7,085,097, as follows.

In the Specification (Detailed Description), the following mistakes have been noted:

- i) in Column 24, Line 14. Delete “sue as CPCI cards 566” and replace with--such as CPCI cards 566--.
- ii) in Column 29, Lines 54 through Column 31, Line 12. These paragraphs are incomplete, in improper order, and should be replaced with

--The grasper cam follower **830** is operatively attached to the upper jaw **836** and is comprised of a horizontal surface **860** and a transitional surface **862**. The horizontal surface **860** interacts with the grasper cam driver associated with the crank assembly **806** to force the second surface **826** towards the "open" position, which is in opposition to the operation of the bias system **828**. The transitional surface **826** interacts with the grasper cam driver associated with the crank assembly **806** so that there is a gradual transition of the second surface **826** between the "open" and "closed" positions.

Associated with the grasper assembly **802** is a "tape-in-jaw" sensing system **868** that is comprised of a flag assembly **870** and a sensor **872**. The flag assembly **870** is comprised of a spring-loaded plunger assembly **872**. In operation, the plunger of the spring-loaded plunger **872** is in a first position if the grasping assembly **802** is not grasping a data cartridge **130**. If, however, the grasping assembly **802** is grasping a data cartridge **130**, the plunger moves to a second position. When the pusher plate assembly **804** is at or near a fully retracted position, the sensor **872** can detect whether the plunger is in the first position or the second position. This information is used to determine which direction a crank **912** associated with the crank assembly **806** should be rotated. More specifically, if the grasper assembly **802** is grasping a data cartridge **130**, the crank **912** will be rotated in

whichever direction, clock-wise or counter clock-wise, will maintain the grip on the data cartridge 130. If, the grasper assembly 802 is not grasping a data cartridge 130, the crank 912 will be rotated in the opposite direction from that used to maintain a grip on a data cartridge 912.

The pusher plate assembly 804 is comprised of: (a) a first member 880 that supports the gripper assembly 802 and comprises pusher plate cam follower; (b) an L-shaped member 882 that is operatively connected to the first member 880; (c) a linear rail 884 that is operatively connected to the base plate 800; (d) a pair of mounts 886A, 886B that connect the L-shaped member 882 to the linear rail 884; and (e) a roller assembly 888 that also connects the first member 880 to the base plate 800 and allows the first member 880 to move relative to the base plate 800. The linear rail 884 and pair of mounts 886A, 886B operate to constrain the movement of the gripper assembly 802 to linear movement towards and away from locations at which a data cartridge 130 is located or can be located. Other types of base plate assemblies that are capable of being used to move a gripper assembly, such as the gripper assembly 802, towards and away from locations at which a data cartridge 130 is or can be located are feasible.

The first member 800 comprises a pusher cam follower surface 894 that interacts with a pusher plate cam driver associated

with the crank assembly 806 to move the pusher plate assembly 804 to a desired location along the linear rail 884. Generally, the cam follower surface 894 is comprised of two, parallel surfaces 896A, 896B. The application of a force by the pusher plate cam driver to the surface 896A drives the pusher plate assembly 804 away from the elevator 582. Conversely, the application of a force by the pusher plate cam driver to the surface 896B drives the pusher plate assembly 804 towards the elevator 582. Forming a portion of the surface 896A is a compliance member 898 that flexes to reduce the force being applied by the pusher plate cam driver to a data cartridge 130 that has been contacted by the grasper assembly 802. In the illustrated embodiment, the compliance member 898 is comprised of a flat spring 900 that is located in a recess 902. One end of the spring 900 is fixed to the first member 880 and the other end of the spring 900 floats within the recess 902 to allow the spring 900 to flex. Forming a portion of the surface 896B is a dwell 904 that prevents the pusher plate cam driver from applying a force to the pusher plate assembly 804 over the extent of the dwell 898.

The crank assembly 806 is comprised of: (a) a motor assembly 910 for providing a rotational motive force; (b) a crank 912 for rotating about an axis 913 in response to the rotational motive force provided by the motor assembly 910; and (c) a camming structure 914 that provides a grasper cam driver surface for interacting with a grasper

cam follower 830 and a pusher plate cam driver surface for interacting with a pusher plate cam follower 894, and moves through the operation of the motor assembly 910 and the crank 912.

The motor assembly 910 is comprised of: (a) a stepper motor 920 that is attached to the base plate 800; and (b) a pinion 922 that is attached to the spindle of the stepper motor 920. The stepper motor 920 is capable of rotating the pinion 922 in a clock-wise direction and a counter-clockwise direction.

The crank 912 is comprised of: (a) a crank spindle 928 that is attached to the base plate 800; (b) a crank top 930; (c) an inner gear 932 that is attached to the crank top 930 and that engages the pinion 922 that is associated with the stepper motor 920; and (d) a bearing assembly 934 that connects the crank top 930 and the inner gear 932 to the spindle 928.--

Each of the foregoing specification corrections are based on a Supplemental Amendment, dated February 6, 2006. Applicant herein notes that all other noted changes made in the Amendment after Allowance were properly included in the issued patent, and it appears each of the foregoing errors ii) and iii) were inadvertent on the part of the Office.

Each of the foregoing mistakes was noted by the Applicant after issuance of the above-captioned patent, and Applicant wishes at this time to correct these obvious errors to the

specification, pursuant to 37 CFR §§ 1.322 and 1.323.

These errors are believed to be "minor" in nature, and the correction of these mistakes does not in any way alter or materially affect the patent disclosure or the present inventorship. The noted mistakes were made without any intent on the part of the Applicant to deceive or mislead the Office or others.

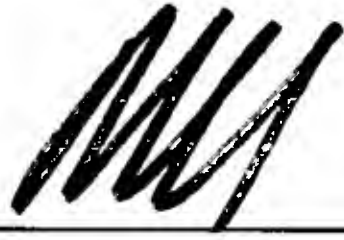
Applicant, therefore, requests that a Certificate of Correction be issued in accordance with the form PTO/SB/44 submitted herewith. Applicant has submitted herewith the requisite fee under 37 CFR 1.20(a).

Authorization to Charge Necessary Fees

The Commissioner is hereby authorized to charge any additional necessary fees associated with this submission, or credit any overpayment, to Deposit Account No. 50-0289.

Respectfully submitted,

Dated: September 7, 2006



Robert E. Purcell
Reg. No. 28,532

WALL MARJAMA & BILINSKI LLP
101 South Salina Street, Suite 400
Syracuse, New York 13202
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Customer No.: 20874
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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 3

PATENT NO.: 7,085,097

APPLICATION NO.: 10/708,481

ISSUE DATE: August 1, 2006

INVENTOR(S): Matthew T. Starr, et al.

In the Specification (Detailed Description), the following mistakes have been noted:

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--The grasper cam follower **830** is operatively attached to the upper jaw **836** and is comprised of a horizontal surface **860** and a transitional surface **862**. The horizontal surface **860** interacts with the grasper cam driver associated with the crank assembly **806** to force the second surface **826** towards the "open" position, which is in opposition to the operation of the bias system **828**. The transitional surface **826** interacts with the grasper cam driver associated with the crank assembly **806** so that there is a gradual transition of the second surface **826** between the "open" and "closed" positions.

Associated with the grasper assembly **802** is a "tape-in-jaw" sensing system **868** that is comprised of a flag assembly **870** and a sensor **872**. The flag assembly **870** is comprised of a spring-loaded plunger assembly **872**. In operation, the plunger of the spring-loaded plunger **872** is in a first position if the grasping assembly **802** is not grasping a data cartridge **130**. If, however, the grasping assembly **802** is grasping a data cartridge **130**, the plunger moves to a second position. When the pusher plate assembly **804** is at or near a fully retracted position, the sensor **872** can detect whether the plunger is in the first position or the second position. This information is used to determine which direction a crank **912** associated with the crank assembly **806** should be rotated. More specifically, if the grasper assembly **802** is grasping a data cartridge **130**, the crank **912** will be rotated in whichever direction, clock-wise or counter clock-wise, will maintain the grip on the data cartridge **130**. If, the grasper assembly **802** is not grasping a data cartridge **130**, the crank **912** will be rotated in the opposite direction from that used to maintain a grip on a data cartridge **912**.

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The pusher plate assembly **804** is comprised of: (a) a first member **880** that supports the gripper assembly **802** and comprises pusher plate cam follower; (b) an L-shaped member **882** that is operatively connected to the first member **880**; (c) a linear rail **884** that is operatively connected to the base plate **800**; (d) a pair of mounts **886A**, **886B** that connect the L-shaped member **882** to the linear rail **884**; and (e) a roller assembly **888** that also connects the first member **880** to the base plate **800** and allows the first member **880** to move relative to the base plate **800**. The linear rail **884** and pair of mounts **886A**, **886B** operate to constrain the movement of the gripper assembly **802** to linear movement towards and away from locations at which a data cartridge **130** is located or can be located. Other types of base plate assemblies that are capable of being used to move a gripper assembly, such as the gripper assembly **802**, towards and away from locations at which a data cartridge **130** is or can be located are feasible.

The first member **800** comprises a pusher cam follower surface **894** that interacts with a pusher plate cam driver associated with the crank assembly **806** to move the pusher plate assembly **804** to a desired location along the linear rail **884**. Generally, the cam follower surface **894** is comprised of two, parallel surfaces **896A**, **896B**. The application of a force by the pusher plate cam driver to the surface **896A** drives the pusher plate assembly **804** away from the elevator **582**. Conversely, the application of a force by the pusher plate cam driver to the surface **896B** drives the pusher plate assembly **804** towards the elevator **582**. Forming a portion of the surface **896A** is a compliance member **898** that flexes to reduce the force being applied by the pusher plate cam driver to a data cartridge **130** that has been contacted by the grasper assembly **802**. In the illustrated embodiment, the compliance member **898** is comprised of a flat spring **900** that is located in a recess **902**. One end of the spring **900** is fixed to the first member **880** and the other end of the spring **900** floats within the recess **902** to allow the spring **900** to flex. Forming a portion of the surface **896B** is a dwell **904** that prevents the pusher plate cam driver from applying a force to the pusher plate assembly **804** over the extent of the dwell **898**.

The crank assembly **806** is comprised of: (a) a motor assembly **910** for providing a rotational motive force; (b) a crank **912** for rotating about an axis **913** in response to the rotational motive force provided by the motor assembly **910**; and (c) a camming structure **914** that provides a grasper cam driver surface for interacting with a grasper cam follower **830** and a pusher plate cam driver surface for interacting with a pusher plate cam follower **894**, and moves through the operation of the motor assembly **910** and the crank **912**.

The motor assembly **910** is comprised of: (a) a stepper motor **920** that is attached to the base plate **800**; and (b) a pinion **922** that is attached to the spindle of the stepper motor **920**. The stepper motor **920** is capable of rotating the pinion **922** in a clock-wise direction and a counter-clockwise direction.

The crank **912** is comprised of: (a) a crank spindle **928** that is attached to the base plate **800**; (b) a crank top **930**; (c) an inner gear **932** that is attached to the crank top **930** and that engages the pinion **922** that is associated with the stepper motor **920**; and (d) a bearing assembly **934** that connects the crank top **930** and the inner gear **932** to the spindle **928**.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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